CFP2000 Result

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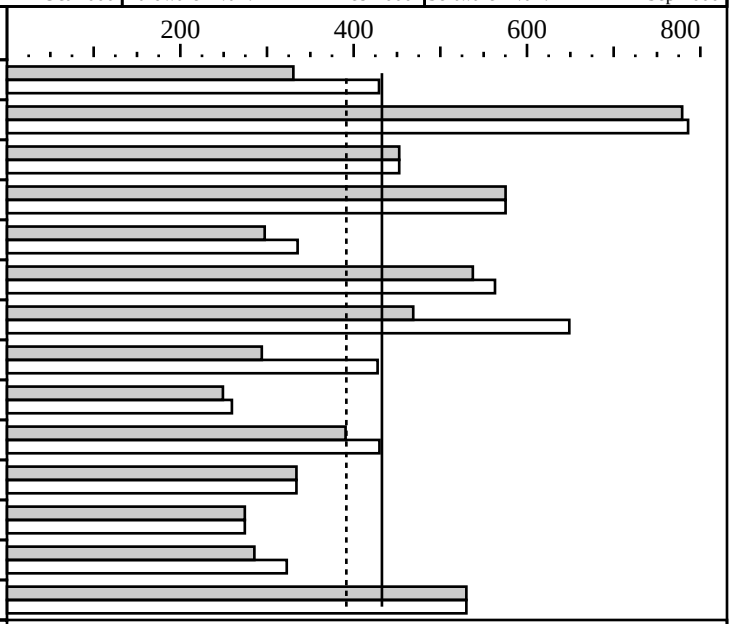
Hewlett-Packard Company
hp visualize c3600 UNIX workstation

SPECfp2000 = 433

SPECfp_base2000 = 392

SPEC license #: 3 | Tested by: HP TCL Fort Collins CO | Test date: Oct-2000 | Hardware Avail: Feb-2000 | Software Avail: Sep-2000

Benchmark	Reference Time	Base Runtime	Base Ratio	Runtime	Ratio
168.wupwise	1600	484	330	373	429
171.swim	3100	398	779	394	786
172.mgrid	1800	398	453	398	453
173.applu	2100	365	575	365	575
177.mesa	1400	471	297	418	335
178.galgel	2900	540	537	515	563
179.art	2600	555	469	401	649
183.equake	1300	442	294	304	428
187.facerec	1900	763	249	732	260
188.ammp	2200	563	391	512	430
189.lucas	2000	599	334	599	334
191.fma3d	2100	765	274	765	274
200.sixtrack	1100	385	285	341	323
301.apsi	2600	491	530	491	530



Hardware

CPU:	552 MHz PA-8600
CPU MHz:	552
FPU:	Integrated
CPU(s) enabled:	1 core, 1 chip, 1 core/chip
CPU(s) orderable:	1
Parallel:	--
Primary Cache:	500KBI+1MBD (on chip)
Secondary Cache:	none
L3 Cache:	none
Other Cache:	None
Memory:	2GB
Disk Subsystem:	1x9Gbye 10000RPM + 1x9Gbyte LVD 10000RPM
Other Hardware:	--

Software

Operating System:	HP-UX B.11.0
Compiler:	HP-UX f90 20000928 (181730) B.11.01.25 HP92453-01 A.11.01.21505.GP HP C Compiler HP-UX f77 971027 (162928) B.11.00.01
File System:	HP-UX VxFS
System State:	Multi-user

Notes/Tuning Information

```
Portability flags:
cc: -Ae
178.galgel: +source=fixed

Base flags:
f90: +O3 +Onofltacc -Wl,-a,archive -Wl,+FPD
cc:  +Oall +Odataprefetch -Wl,-a,archive +I/+P

Peak flags:
Peak flags = base flags for: 172.mgrid, 173.applu, 189.lucas, 191.fma3d and 301.apsi
168.wupwise: f77 +DA2.0 +DS2.0 +O4 +Odataprefetch +Onofltacc -Wl,+FPD -Wl,-a,archive
171.swim:     +O3  +Ocachepadcommon +Oloop_unroll -Wl,+FPD -Wl,-a,archive
177.mesa:    +I/+P +Oall +Odataprefetch  +Opromote_indirect_calls -Wl,+FPD -Wl,-a,archive
178.galgel:   +Oall +fastallocatable-Wl,+FPD -Wl,-a,archive -llapack
              RM_SOURCES = lapak.f90
179.art:     +Oall +Onodataprefetch +I/+P +Onofltacc +Optrs_strongly_typed -Wl,+FPD -Wl,-a,archive
183.equake:   +Oall +Odataprefetch +Optrs_strongly_typed -Wl,+FPD -Wl,-a,archive
```

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Notes/Tuning Information (Continued)

```
187.facerec:  +O2 +Ofastaccess +fastallocatable -Wl,+FPD
              -Wl,-a,archive -Wl,/opt/langtools/lib/fastmem.o
188.ammp:     +Oall +Odataprefetch +Optrs_strongly_typed +I/+P  -Wl,+FPD -Wl,-a,archive
200.sixtrack: +Oall +fastallocatable +Onodataprefetch -Wl,+FPD
              -Wl,-a,archive -Wl,/opt/langtools/lib/fastmem.o
Kernel tunables:
vps_pagesize=4096, vps_ceiling=4096, dbc_min_pct=25, dbc_max_pct=25
```